

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 DEC 21 IPC search and display fields enhanced in CA/CAPLUS with the
IPC reform
NEWS 4 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/
USPAT2
NEWS 5 JAN 13 IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS 6 JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to
INPADOC
NEWS 7 JAN 17 Pre-1988 INPI data added to MARPAT
NEWS 8 JAN 17 IPC 8 in the WPI family of databases including WPIFV
NEWS 9 JAN 30 Saved answer limit increased
NEWS 10 JAN 31 Monthly current-awareness alert (SDI) frequency
added to TULSA
NEWS 11 FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist
visualization results
NEWS 12 FEB 22 Status of current WO (PCT) information on STN
NEWS 13 FEB 22 The IPC thesaurus added to additional patent databases on STN
NEWS 14 FEB 22 Updates in EPFULL; IPC 8 enhancements added
NEWS 15 FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS 16 FEB 28 MEDLINE/LMEDLINE reload improves functionality
NEWS 17 FEB 28 TOXCENTER reloaded with enhancements
NEWS 18 FEB 28 REGISTRY/ZREGISTRY enhanced with more experimental spectral
property data
NEWS 19 MAR 01 INSPEC reloaded and enhanced
NEWS 20 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes
NEWS 21 MAR 08 X.25 communication option no longer available after June 2006
NEWS 22 MAR 22 EMBASE is now updated on a daily basis
NEWS 23 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS 24 APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC
thesaurus added in PCTFULL

NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT
<http://download.cas.org/express/v8.0-Discover/>

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 00:43:08 ON 04 APR 2006

=> file medline

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'MEDLINE' ENTERED AT 00:43:20 ON 04 APR 2006

FILE LAST UPDATED: 1 APR 2006 (20060401/UP). FILE COVERS 1950 TO DATE.

On December 11, 2005, the 2006 MeSH terms were loaded.

The MEDLINE reload for 2006 is now (26 Feb.) available. For details on the 2006 reload, enter HELP RLOAD at an arrow prompt (=>).

See also:

<http://www.nlm.nih.gov/mesh/>
http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html
http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_med_data_changes.html
http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_2006_MeSH.html

OLDMEDLINE is covered back to 1950. -

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2006 vocabulary.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s gossypolone

L1 19 GOSSYPOLONE

=> d 1-19

L1 ANSWER 1 OF 19 MEDLINE on STN

Full Text	References
--------------	------------

AN 2005282578 MEDLINE

DN PubMed ID: 15878283

TI Synthesis of gossypol atropisomers and derivatives and evaluation of their anti-proliferative and anti-oxidant activity.

AU Dodou Kalliopi; Anderson Rosaleen J; Lough W John; Small David A P; Shelley Michael D; Groundwater Paul W

CS Sunderland Pharmacy School, University of Sunderland, Wharncliffe Street, Sunderland SR1 3SD, UK.

SO Bioorganic & medicinal chemistry, (2005 Jul 1) Vol. 13, No. 13, pp. 4228-37.

Journal code: 9413298. ISSN: 0968-0896.

CY England: United Kingdom

DT (EVALUATION STUDIES)
 Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200509

ED Entered STN: 20050602

Last Updated on STN: 20050915

Entered Medline: 20050914

L1 ANSWER 2 OF 19 MEDLINE on STN

Full Text	References
--------------	------------

AN 2004334672 MEDLINE

DN PubMed ID: 15236842

TI Cytotoxicity of enantiomers of gossypol Schiff's bases and optical stability of gossypolone.

AU Dao Vi-Thuy; Dowd Michael K; Martin Marie-Therese; Gaspard Christiane;
Mayer Michel; Michelot Robert J
CS Institut Curie, section recherche, transduction du signal et ontogenese
U528 INSERM, 75248 Paris, France.
SO European journal of medicinal chemistry, (2004 Jul) Vol. 39, No. 7, pp.
619-24.
Journal code: 0420510. ISSN: 0223-5234.
CY France
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200502
ED Entered STN: 20040707
Last Updated on STN: 20050224
Entered Medline: 20050223

L1 ANSWER 3 OF 19 MEDLINE on STN

Full Text
References

AN 2003154135 MEDLINE
DN PubMed ID: 12670651
TI New thioderivatives of gossypol and **gossypolone**, as prodrugs of
cytotoxic agents.
AU Dao Vi-Thuy; Dowd Michael K; Gaspard Christiane; Martin Marie-Therese;
Hemez Julie; Laprevote Olivier; Mayer Michel; Michelot Robert J
CS Institut de Chimie des Substances Naturelles, CNRS, 91198 Gif sur Yvette,
France.
SO Bioorganic & medicinal chemistry, (2003 May 1) Vol. 11, No. 9, pp. 2001-6.
Journal code: 9413298. ISSN: 0968-0896.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200312
ED Entered STN: 20030403
Last Updated on STN: 20031217
Entered Medline: 20031212

L1 ANSWER 4 OF 19 MEDLINE on STN

Full Text
References

AN 2002500426 MEDLINE
DN PubMed ID: 12361745
TI High-performance liquid chromatographic determination of gossypol and
gossypolone enantiomers in fish tissues using simultaneous
electrochemical and ultraviolet detectors.
AU Lee Kyeong-Jun; Dabrowski Konrad
CS School of Natural Resources, The Ohio State University, Columbus, OH
43210, USA.
SO Journal of chromatography. B, Analytical technologies in the biomedical
and life sciences, (2002 Nov 5) Vol. 779, No. 2, pp. 313-9.
Journal code: 101139554. ISSN: 1570-0232.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200304
ED Entered STN: 20021004
Last Updated on STN: 20030416
Entered Medline: 20030411

L1 ANSWER 5 OF 19 MEDLINE on STN

Full Text	Citing References
--------------	----------------------

AN 2002273172 MEDLINE
 DN PubMed ID: 11982441
 TI Gossypol and **gossypolone** enantiomers in tissues of rainbow trout fed low and high levels of dietary cottonseed meal.
 AU Lee Kyeong-Jun; Dabrowski Konrad
 CS School of Natural Resources, The Ohio State University, 2021 Coffey Road, Columbus, Ohio 43210, USA.
 SO Journal of agricultural and food chemistry, (2002 May 8) Vol. 50, No. 10, pp. 3056-61.
 Journal code: 0374755. ISSN: 0021-8561.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200206
 ED Entered STN: 20020517
 Last Updated on STN: 20020618
 Entered Medline: 20020617

L1 ANSWER 6 OF 19 MEDLINE on STN

Full Text	Citing References
--------------	----------------------

AN 2002046549 MEDLINE
 DN PubMed ID: 11598106
 TI Reversible inhibition of calcineurin by the polyphenolic aldehyde gossypol.
 AU Baumgrass R; Weiwad M; Erdmann F; Liu J O; Wunderlich D; Grabley S; Fischer G
 CS Max Planck Research Unit for Enzymology of Protein Folding, Weinbergweg 22, Halle/Saale D-06120, Germany.
 SO The Journal of biological chemistry, (2001 Dec 21) Vol. 276, No. 51, pp. 47914-21. Electronic Publication: 2001-10-11.
 Journal code: 2985121R. ISSN: 0021-9258.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200201
 ED Entered STN: 20020124
 Last Updated on STN: 20030105
 Entered Medline: 20020131

L1 ANSWER 7 OF 19 MEDLINE on STN

Full Text	Citing References
--------------	----------------------

AN 2001088979 MEDLINE
 DN PubMed ID: 11087445
 TI Production, characterization, and application of anti-gossypol polyclonal antibodies.
 AU Wang X; Plhak L C
 CS Department of Food Science, Louisiana Agricultural Experiment Station, Louisiana State University Agricultural Center, Baton Rouge, Louisiana 70803, USA.
 SO Journal of agricultural and food chemistry, (2000 Nov) Vol. 48, No. 11, pp. 5109-16.
 Journal code: 0374755. ISSN: 0021-8561.

CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200101
 ED Entered STN: 20010322
 Last Updated on STN: 20010322
 Entered Medline: 20010112

L1 ANSWER 8 OF 19 MEDLINE on STN

Full Text	Citing References
--------------	----------------------

AN 2001026729 MEDLINE
 DN PubMed ID: 11006482
 TI Synthesis and cytotoxicity of gossypol related compounds.
 AU Dao V T; Gaspard C; Mayer M; Werner G H; Nguyen S N; Michelot R J
 CS Institut de chimie des substances naturelles, CNRS, 91198, Gif sur Yvette, France.
 SO European journal of medicinal chemistry, (2000 Sep) Vol. 35, No. 9, pp. 805-13.
 Journal code: 0420510. ISSN: 0223-5234.
 CY France
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200011
 ED Entered STN: 20010322
 Last Updated on STN: 20010322
 Entered Medline: 20001114

L1 ANSWER 9 OF 19 MEDLINE on STN

Full Text	Citing References
--------------	----------------------

AN 2000469713 MEDLINE
 DN PubMed ID: 10831280
 TI Structure-activity studies on gossypol in tumor cell lines.
 AU Shelley M D; Hartley L; Groundwater P W; Fish R G
 CS Research Laboratories, Velindre NHS Trust, Whitchurch, Cardiff, UK..
mike.shelley@velindre.tr.wales.nhs.uk
 SO Anti-cancer drugs, (2000 Mar) Vol. 11, No. 3, pp. 209-16.
 Journal code: 9100823. ISSN: 0959-4973.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200010
 ED Entered STN: 20001012
 Last Updated on STN: 20001012
 Entered Medline: 20001005

L1 ANSWER 10 OF 19 MEDLINE on STN

Full Text	Citing References
--------------	----------------------

AN 1999194090 MEDLINE
 DN PubMed ID: 10096426
 TI Stereo-specific cytotoxic effects of gossypol enantiomers and **gossypolone** in tumour cell lines.
 AU Shelley M D; Hartley L; Fish R G; Groundwater P; Morgan J J; Mort D; Mason M; Evans A
 CS Research Laboratories, Velindre NHS Trust Hospital, Whitchurch, Cardiff,

UK.

SO Cancer letters, (1999 Jan 29) Vol. 135, No. 2, pp. 171-80.
 Journal code: 7600053. ISSN: 0304-3835.
 CY Ireland
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199903
 ED Entered STN: 19990413
 Last Updated on STN: 19990413
 Entered Medline: 19990330

L1 ANSWER 11 OF 19 MEDLINE on STN

Full Text	Citing References
-----------	-------------------

AN 1998090917 MEDLINE
 DN PubMed ID: 9429219
 TI Cytotoxicity of gossypol enantiomers and its quinone metabolite **gossypolone** in melanoma cell lines.
 AU Blackstaffe L; Shelley M D; Fish R G
 CS Cancer Biology and Pharmacology Group, Velindre NHS Trust Hospital, Cardiff, UK.
 SO Melanoma research, (1997 Oct) Vol. 7, No. 5, pp. 364-72.
 Journal code: 9109623. ISSN: 0960-8931.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199802
 ED Entered STN: 19980217
 Last Updated on STN: 19980217
 Entered Medline: 19980204

L1 ANSWER 12 OF 19 MEDLINE on STN

Full Text	Citing References
-----------	-------------------

AN 96362737 MEDLINE
 DN PubMed ID: 8729944
 TI Developing gossypol derivatives with enhanced antitumor activity.
 AU Liang X S; Rogers A J; Webber C L; Ormsby T J; Tiritan M E; Matlin S A; Benz C C
 CS Cancer Research Institute, University of California, San Francisco 94143-0218, USA.
 NC CA46966 (NCI)
 SO Investigational new drugs, (1995) Vol. 13, No. 3, pp. 181-6.
 Journal code: 8309330. ISSN: 0167-6997.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199610
 ED Entered STN: 19961106
 Last Updated on STN: 19970203
 Entered Medline: 19961021

L1 ANSWER 13 OF 19 MEDLINE on STN

Full Text	Citing References
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AN 96290911 MEDLINE
 DN PubMed ID: 8707919

TI Suppressive effect of Gossypol, **Gossypolone** and serum from Gossypol treated rats on steroidogenesis in cultured porcine granulosa cells.

AU Ohmura H

CS Department of Obstetrics and Gynecology, Nippon Medical School, Tokyo, Japan.

SO Nippon Ika Daigaku zasshi, (1996 Jun) Vol. 63, No. 3, pp. 181-9.
Journal code: 7505726. ISSN: 0048-0444.

CY Japan

DT Journal; Article; (JOURNAL ARTICLE)

LA Japanese

FS Priority Journals

EM 199609

ED Entered STN: 19960919
Last Updated on STN: 19960919
Entered Medline: 19960910

L1 ANSWER 14 OF 19 MEDLINE on STN

Full Text	Cited References
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AN 95319258 MEDLINE

DN PubMed ID: 7596222

TI Antiproliferative activity of gossypol and **gossypolone** on human breast cancer cells.

AU Gilbert N E; O'Reilly J E; Chang C J; Lin Y C; Brueggemeier R W

CS Division of Medicinal Chemistry and Pharmacognosy, College of Pharmacy, Ohio State University, Columbus 43210, USA.

NC P20 CA66193-01 (NCI)
P30 CA16058-17 (NCI)

SO Life sciences, (1995) Vol. 57, No. 1, pp. 61-7.
Journal code: 0375521. ISSN: 0024-3205.

CY ENGLAND: United Kingdom

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199508

ED Entered STN: 19950817
Last Updated on STN: 19970203
Entered Medline: 19950803

L1 ANSWER 15 OF 19 MEDLINE on STN

Full Text	Cited References
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AN 92342861 MEDLINE

DN PubMed ID: 1636054

TI Characteristics of covalent gossypol binding to microsomal proteins.

AU Moh P P; Li P K; Darby M V; Brueggemeier R W; Lin Y C

CS Department of Veterinary Physiology and Pharmacology, College of Veterinary Medicine, Ohio State University, Columbus 43210-1092.

NC FD-U-354 (FDA)

SO Research communications in chemical pathology and pharmacology, (1992 Jun) Vol. 76, No. 3, pp. 305-22.
Journal code: 0244734. ISSN: 0034-5164.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199208

ED Entered STN: 19920911
Last Updated on STN: 19920911
Entered Medline: 19920826

L1 ANSWER 16 OF 19 MEDLINE on STN

Full Text	Citing References
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AN 91291708 MEDLINE
 DN PubMed ID: 2064986
 TI **Gossypolone** suppresses progesterone synthesis in bovine luteal cells.
 AU Gu Y; Li P K; Lin Y C; Rikihisa Y; Brueggemeier R W
 CS Department of Veterinary Physiology and Pharmacology, College of
 Veterinary Medicine, Ohio State University, Columbus 43210-1092.
 NC FD-U-354 (FDA)
 SO The Journal of steroid biochemistry and molecular biology, (1991 Jun) Vol.
 38, No. 6, pp. 709-15.
 Journal code: 9015483. ISSN: 0960-0760.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199108
 ED Entered STN: 19910901
 Last Updated on STN: 19970203
 Entered Medline: 19910813

L1 ANSWER 17 OF 19 MEDLINE on STN

Full Text	Citing References
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AN 91271649 MEDLINE
 DN PubMed ID: 1647048
 TI Suppression of adrenocorticotrophic hormone (ACTH)-induced corticosterone
 secretion in cultured rat adrenocortical cells by gossypol and
gossypolone.
 AU Gu Y; Lin Y C
 CS Department of Veterinary Physiology and Pharmacology, College of
 Veterinary Medicine, Ohio State University, Columbus 43210-1092.
 SO Research communications in chemical pathology and pharmacology, (1991 Apr)
 Vol. 72, No. 1, pp. 27-38.
 Journal code: 0244734. ISSN: 0034-5164.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199107
 ED Entered STN: 19910811
 Last Updated on STN: 19910811
 Entered Medline: 19910723

L1 ANSWER 18 OF 19 MEDLINE on STN

Full Text	Citing References
--------------	----------------------

AN 87313551 MEDLINE
 DN PubMed ID: 3306161
 TI Probing into the mechanism of action, metabolism and toxicity of gossypol
 by studying its (+)- and (-)-stereoisomers.
 AU Yu Y W
 SO Journal of ethnopharmacology, (1987 Jun) Vol. 20, No. 1, pp. 65-78. Ref:
 32
 Journal code: 7903310. ISSN: 0378-8741.
 CY Switzerland
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)

LA English
 FS Priority Journals
 EM 198709
 ED Entered STN: 19900305
 Last Updated on STN: 19970203
 Entered Medline: 19870930

L1 ANSWER 19 OF 19 MEDLINE on STN

Full Text REFERENCES

AN 85075634 MEDLINE
 DN PubMed ID: 6509980
 TI Comparative in vitro spermicidal effects of (+/-)-gossypol, (+)-gossypol, (-)-gossypol and **gossypolone**.
 AU Kim I C; Waller D P; Marcelle G B; Cordell G A; Fong H H; Pirkle W H; Pilla L; Matlin S A
 SO Contraception, (1984 Sep) Vol. 30, No. 3, pp. 253-9.
 Journal code: 0234361. ISSN: 0010-7824.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 198501
 ED Entered STN: 19900320
 Last Updated on STN: 19970203
 Entered Medline: 19850131

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.57	5.78

FILE 'REGISTRY' ENTERED AT 00:46:56 ON 04 APR 2006
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "[HELP USAGETERMS](#)" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 2 APR 2006 HIGHEST RN 878996-50-0
 DICTIONARY FILE UPDATES: 2 APR 2006 HIGHEST RN 878996-50-0

New CAS Information Use Policies, enter [HELP USAGETERMS](#) for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

 *
 * The CA roles and document type information have been removed from *
 * the IDE default display format and the ED field has been added, *
 * effective March 20, 2005. A new display format, IDERL, is now *
 * available and contains the CA role and document type information. *
 *

Structure search iteration limits have been increased. See [HELP SLIMITS](#) for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> e gossypolone/cn

```

E1      1      GOSSYPOL-SORBIC ACID MIXT./CN
E2      1      GOSSYPOLOL/CN
E3      1  --> GOSSYPOLONE/CN
E4      1      GOSSYPOLONE, TETRAMETHYL ETHER/CN
E5      1      GOSSYPOLONIC ACID/CN
E6      1      GOSSYPOSE/CN
E7      1      GOSSYPURPURIN/CN
E8      1      GOSSYPURPURIN, COMPD. WITH PHNH2/CN
E9      1      GOSSYRUBILONE/CN
E10     1      GOSSYTRIN/CN
E11     1      GOSSYTRINE/CN
E12     1      GOSSYVERDURIN/CN

```

=> s e3

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L2      1      GOSSYPOLONE/CN

```

=> d

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN

RN 4547-72-2 REGISTRY

ED Entered STN: 16 Nov 1984

CN [2,2'-Binaphthalene]-8,8'-dicarboxaldehyde, 1,1',4,4'-tetrahydro-6,6',7,7'-tetrahydroxy-3,3'-dimethyl-5,5'-bis(1-methylethyl)-1,1',4,4'-tetraoxo- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN [2,2'-Binaphthalene]-8,8'-dicarboxaldehyde, 1,1',4,4'-tetrahydro-6,6',7,7'-tetrahydroxy-5,5'-diisopropyl-3,3'-dimethyl-1,1',4,4'-tetraoxo- (7CI, 8CI)

OTHER NAMES:

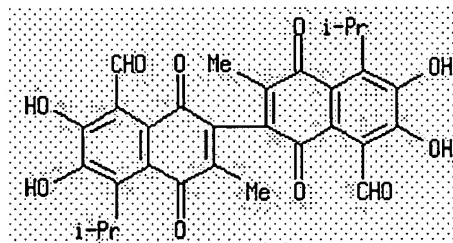
CN **Gossypolone**

CN NSC 651924

MF C30 H26 O10

CI COM

LC STN Files: AGRICOLA, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CSCHEM, DDFU, DRUGU, IPA, MEDLINE, NAPRALERT, RTECS*, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

41 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 41 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file uspatall

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.10	12.88

FILE 'USPATFULL' ENTERED AT 00:47:28 ON 04 APR 2006
 CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 00:47:28 ON 04 APR 2006
 CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

=> d his

(FILE 'HOME' ENTERED AT 00:43:08 ON 04 APR 2006)

FILE 'MEDLINE' ENTERED AT 00:43:20 ON 04 APR 2006
 L1 19 S GOSSYPOLONE

FILE 'REGISTRY' ENTERED AT 00:46:56 ON 04 APR 2006
 E GOSSYPOLONE/CN
 L2 1 S E3

FILE 'USPATFULL, USPAT2' ENTERED AT 00:47:28 ON 04 APR 2006

=> s l1

L3 4 L1

=> d 1-4

L3 ANSWER 1 OF 4 USPATFULL on STN

Full Text	References
AN 2005:49957 USPATFULL	
TI Drug delivery compositions	
IN Yang, Victor C., Ann Arbor, MI, UNITED STATES Park, Yoon Jeong, Seoul, KOREA, REPUBLIC OF Liang, Junfeng, Westfield, NJ, UNITED STATES	
PA The Regents of the University of Michigan, Ann Arbor, MI (U.S. corporation)	
PI <u>US 2005042753</u>	A1 20050224
AI <u>US 2004-835151</u>	A1 20040429 (10)
PRAI <u>US 2003-466804P</u>	20030430 (60)
<u>US 2003-466811P</u>	20030430 (60)
DT Utility	
FS APPLICATION	
LN.CNT 6611	
INCL INCLM: 435/455.000	
INCLS: 435/069.100; 435/320.100; 435/325.000	
NCL NCLM: 435/455.000	
NCLS: 435/069.100; 435/320.100; 435/325.000	
IC [7]	
ICM A61K039-385	
ICS C12N015-85	
IPCI A61K0039-385 [ICM,7]; C12N0015-85 [ICS,7]	

IPCR A61K0047-48 [I,A]; A61K0047-48 [I,C]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 2 OF 4 USPATFULL on STN

Full Text	Citing References
-----------	-------------------

AN 2004:274400 USPATFULL
TI Small molecule antagonists of BCL-2 family proteins
IN Wang, Shaomeng, Saline, MI, UNITED STATES
Yang, Dajun, Rockville, MD, UNITED STATES
PA The Regents of the University of Michigan, Ann Arbor, MI (U.S. corporation)
Georgetown University, Washington, DC (U.S. corporation)
PI US 2004214902 A1 20041028
AI US 2003-729156 A1 20031205 (10)
RLI Continuation-in-part of Ser. No. US 2002-158769, filed on 30 May 2002, ABANDONED Continuation-in-part of Ser. No. WO 2002-US17206, filed on 30 May 2002, PENDING
PRAI US 2001-293983P 20010530 (60)
DT Utility
FS APPLICATION
LN.CNT 8211
INCL INCLM: 514/700.000
NCL NCLM: 514/700.000
IC [7]
ICM A61K031-11
IPCI A61K0031-11 [ICM,7]
IPCR A61K0031-11 [I,A]; A61K0031-11 [I,C]; A61K0045-00 [I,C]; A61K0045-06 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 3 OF 4 USPATFULL on STN

Full Text	Citing References
-----------	-------------------

AN 2003:11220 USPATFULL
TI Small molecule antagonists of Bcl-2 family proteins
IN Wang, Shaomeng, Saline, MI, UNITED STATES
Yang, Dajun, Rockville, MD, UNITED STATES
PA The Regents of the University of Michigan, Ann Arbor, MI (U.S. corporation)
PI US 2003008924 A1 20030109
AI US 2002-158769 A1 20020530 (10)
PRAI US 2001-293983P 20010530 (60)
DT Utility
FS APPLICATION
LN.CNT 3132
INCL INCLM: 514/700.000
NCL NCLM: 514/700.000
IC [7]
ICM A61K031-11
IPCI A61K0031-11 [ICM,7]
IPCR A61K0031-11 [I,A]; A61K0031-11 [I,C]; A61K0045-00 [I,C]; A61K0045-06 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 4 OF 4 USPATFULL on STN

Full Text	Citing References
-----------	-------------------

AN 2000:117778 USPATFULL
TI Gossypol for the treatment of cancer

IN Flack, Mary R., Kensington, MD, United States
 Knazek, Richard, Bethesda, MD, United States
 Reidenberg, Marcus, Scarsdale, NY, United States
 PA The United States of America as represented by the Department of Health
 and Human Services, Washington, DC, United States (U.S. government)
 PI US 6114397 20000905
 AI US 1995-379872 19950127 (8)
 RLI Division of Ser. No. US 1990-551353, filed on 12 Jul 1990, now patented,
 Pat. No. US 5385936
 DT Utility
 FS Granted
 LN.CNT 437
 INCL INCLM: 514/682.000
 INCLS: 514/700.000
 NCL NCLM: 514/682.000
 NCLS: 514/700.000
 IC [7]
 ICM A61K031-12
 ICS A61K031-11
 IPCI A61K0031-12 [ICM,7]; A61K0031-11 [ICS,7]
 IPCR A61K0031-11 [I,A]; A61K0031-11 [I,C]; A61K0031-21 [I,C];
 A61K0031-22 [I,A]
 EXF 514/700; 514/682
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s gossypolone
 L4 4 GOSSYPOLONE

=> s gossypolone
 L4 4 GOSSYPOLONE

=> d his

(FILE 'HOME' ENTERED AT 00:43:08 ON 04 APR 2006)

FILE 'MEDLINE' ENTERED AT 00:43:20 ON 04 APR 2006
 L1 19 S GOSSYPOLONE

FILE 'REGISTRY' ENTERED AT 00:46:56 ON 04 APR 2006
 E GOSSYPOLONE/CN
 L2 1 S E3

FILE 'USPATFULL, USPAT2' ENTERED AT 00:47:28 ON 04 APR 2006
 L3 4 S L1
 L4 4 S GOSSYPOLONE

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.29	21.17

FILE 'REGISTRY' ENTERED AT 00:52:28 ON 04 APR 2006
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Property values tagged with IC are from the ZIC/VINITI data file
 provided by InfoChem.

STRUCTURE FILE UPDATES: 2 APR 2006 HIGHEST RN 878996-50-0
 DICTIONARY FILE UPDATES: 2 APR 2006 HIGHEST RN 878996-50-0

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TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

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*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
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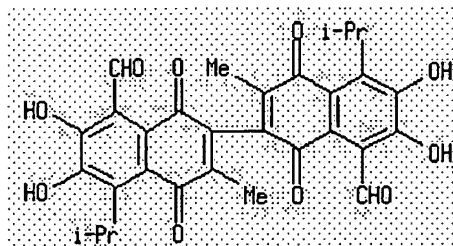
Structure search iteration limits have been increased. See HELP SLIMITS
 for details.

REGISTRY includes numerically searchable data for experimental and
 predicted properties as well as tags indicating availability of
 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> d 12

```
L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
RN 4547-72-2 REGISTRY
ED Entered STN: 16 Nov 1984
CN [2,2'-Binaphthalene]-8,8'-dicarboxaldehyde, 1,1',4,4'-tetrahydro-6,6',7,7'-
tetrahydroxy-3,3'-dimethyl-5,5'-bis(1-methylethyl)-1,1',4,4'-tetraoxo-
(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN [2,2'-Binaphthalene]-8,8'-dicarboxaldehyde, 1,1',4,4'-tetrahydro-6,6',7,7'-
tetrahydroxy-5,5'-diisopropyl-3,3'-dimethyl-1,1',4,4'-tetraoxo- (7CI, 8CI)
OTHER NAMES:
CN Gossypolone
CN NSC 651924
MF C30 H26 O10
CI COM
LC STN Files: AGRICOLA, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT,
CHEMCATS, CSCHEM, DDFU, DRUGU, IPA, MEDLINE, NAPRALERT, RTECS*,
TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

41 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 41 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file ca

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.22	24.39

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FILE COVERS 1907 - 30 Mar 2006 VOL 144 ISS 15
 FILE LAST UPDATED: 30 Mar 2006 (20060330/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s gossypolone/ab.bi

'AB.BI' IS NOT A VALID FIELD CODE
 L5 0 GOSSYPOLONE/AB.BI

=> file cas

'CAS' IS AN AMBIGUOUS FILE OR CLUSTER NAME
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 CASRNS - CAS Registry Numbers Cluster
 CA - The Chemical Abstracts File 1907-present
 CASREACT - The Chemical Abstracts Reaction Search Service

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ENTER A FILE NAME OR (IGNORE):ca

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.44	24.83

FILE 'CA' ENTERED AT 00:54:57 ON 04 APR 2006

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FILE COVERS 1907 - 30 Mar 2006 VOL 144 ISS 15
 FILE LAST UPDATED: 30 Mar 2006 (20060330/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s gossypolone/ab,bi
      34 GOSSYPOLONE/AB
      47 GOSSYPOLONE/BI
L6      47 GOSSYPOLONE/AB,BI
```

```
=> d 1-47
```

L6 ANSWER 1 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Citing References
-----------	-------------------

```
AN 143:205761 CA
TI Synthesis of gossypol atropisomers and derivatives and evaluation of their
   anti-proliferative and anti-oxidant activity
AU Dodou, Kalliopi; Anderson, Rosaleen J.; Lough, W. John; Small, David A.
   P.; Shelley, Michael D.; Groundwater, Paul W.
CS Sunderland Pharmacy School, University of Sunderland, Sunderland, SR1 3SD,
   UK
SO Bioorganic & Medicinal Chemistry (2005), 13(13), 4228-4237
   CODEN: BMECEP; ISSN: 0968-0896
PB Elsevier Ltd.
DT Journal
LA English
RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD
   ALL CITATIONS AVAILABLE IN THE RE FORMAT
```

L6 ANSWER 2 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Citing References
-----------	-------------------

```
AN 143:133556 CA
TI Preparation of gossypol derivatives and their pharmaceutical uses
IN Dao, Vi Thuy; De Gunzburg, Jean; Michelot, Robert; De Mil Christophe,
   Olivier
PA Centre National de la Recherche Scientifique CNRS, Fr.; Institut National
   de la Sante et de La Recherche Medicale INSERM
SO Fr. Demande, 28 pp.
   CODEN: FRXXBL
```


DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2864955	A1	20050715	FR 2004-125	20040108
	FR 2864955	B1	20060310		
	WO 2005073158	A1	20050811	WO 2005-FR22	20050106
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	FR 2004-125	A	20040108		

OS MARPAT 143:133556

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text Citations
References

AN 141:388644 CA

TI Gossypol compound antagonists of Bcl-2 family proteins, and use with with other therapeutic means in the treatment of neoplastic and other diseases

IN Wang, Shaomeng; Yang, Dajun

PA The Regents of the University of Michigan, USA; Georgetown University

SO U.S. Pat. Appl. Publ., 143 pp., Cont.-in-part of U.S. Ser. No. 158,769.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004214902	A1	20041028	US 2003-729156	20031205
	WO 2002097053	A2	20021205	WO 2002-US17206	20020530
	WO 2002097053	A3	20040910		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2003008924	A1	20030109	US 2002-158769	20020530
	WO 2005069771	A2	20050804	WO 2004-US40553	20041206
	WO 2005069771	A3	20060223		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,				

TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
 RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
 MR, NE, SN, TD, TG

PRAI US 2001-293983P P 20010530
 US 2002-158769 A2 20020530
 WO 2002-US17206 A2 20020530
 US 2003-729156 A 20031205

L6 ANSWER 4 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text Citing
 Text References

AN 141:235652 CA
 TI Cytotoxicity of enantiomers of gossypol Schiff's bases and optical stability of **gossypolone**
 AU Dao, Vi-Thuy; Dowd, Michael K.; Martin, Marie-Therese; Gaspard, Christiane; Mayer, Michel; Michelot, Robert J.
 CS Transduction du signal et ontogenese U528, Inserm, Institut Curie, Paris, 75248, Fr.
 SO European Journal of Medicinal Chemistry (2004), 39(7), 619-624
 CODEN: EJMCA5; ISSN: 0223-5234
 PB Elsevier Science Ltd.
 DT Journal
 LA English
 RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text Citing
 Text References

AN 140:199481 CA
 TI Preparation of gossypols, in particular 1,3-dithiolane and 1,3-dithiane derivatives, as reduced toxicity prodrugs, and their use for treating cancers
 IN Dao, Vi Thuy; Gaspard, Christiane; Michelot, Robert
 PA Centre National de la Recherche Scientifique CNRS, Fr.
 SO Fr. Demande, 55 pp.
 CODEN: FRXXBL
 DT Patent
 LA French
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2843751	A1	20040227	FR 2002-10407	20020820
FR 2843751	B1	20040924		
WO 2004018481	A2	20040304	WO 2003-FR2542	20030819
WO 2004018481	A3	20040408		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003290604	A1	20040311	AU 2003-290604	20030819

PRAI FR 2002-10407 A 20020820
 WO 2003-FR2542 W 20030819

OS MARPAT 140:199481

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 6 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Citing References
--------------	----------------------

AN 139:285835 CA
 TI New thioderivatives of gossypol and **gossypolone**, as prodrugs of
 cytotoxic agents
 AU Dao, Vi-Thuy; Dowd, Michael K.; Gaspard, Christiane; Martin,
 Marie-Therese; Hemez, Julie; Laprevote, Olivier; Mayer, Michel; Michelot,
 Robert J.
 CS Institut de Chimie des Substances Naturelles, CNRS, Gif sur Yvette, 91198,
 Fr.
 SO Bioorganic & Medicinal Chemistry (2003), 11(9), 2001-2006
 CODEN: BMECEP; ISSN: 0968-0896
 PB Elsevier Science Ltd.
 DT Journal
 LA English
 OS CASREACT 139:285835
 RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 7 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Citing References
--------------	----------------------

AN 138:182185 CA
 TI High-performance liquid chromatographic determination of gossypol and
gossypolone enantiomers in fish tissues using simultaneous
 electrochemical and ultraviolet detectors
 AU Lee, Kyeong-Jun; Dabrowski, Konrad
 CS School of Natural Resources, The Ohio State University, Columbus, OH,
 43210, USA
 SO Journal of Chromatography, B: Analytical Technologies in the Biomedical
 and Life Sciences (2002), 779(2), 313-319
 CODEN: JCBAAI; ISSN: 1570-0232
 PB Elsevier Science B.V.
 DT Journal
 LA English
 RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 8 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Citing References
--------------	----------------------

AN 138:19468 CA
 TI Small molecule gossypol-related antagonists of Bcl-2 family proteins and
 inhibit the anti-apoptotic effects of Bcl-2 family proteins in cancer
 cells
 IN Wang, Shaomeng; Yang, Dajun
 PA The Regents of the University of Michigan, USA; Georgetown University
 Medical Center
 SO PCT Int. Appl., 96 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002097053	A2	20021205	WO 2002-US17206	20020530
	WO 2002097053	A3	20040910		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2449245	AA	20021205	CA 2002-2449245	20020530
	NZ 529792	A	20031219	NZ 2002-529792	20020530
	EP 1474121	A2	20041110	EP 2002-734614	20020530
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2005515158	T2	20050526	JP 2003-500222	20020530
	US 2004214902	A1	20041028	US 2003-729156	20031205
PRAI	US 2001-293983P	P	20010530		
	US 2002-158769	A	20020530		
	WO 2002-US17206	W	20020530		

L6 ANSWER 9 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Cited References
-----------	------------------

AN 137:311049 CA

TI New azo derivatives of gossypol. [Erratum to document cited in CA134:131685]

AU Baram, N. I.; Ziyaev, Kh. L.; Ismailov, A. I.; Ziyamov, D.; Mangutova, Yu. S.

CS A. S. Sadykov Institute of Bioorganic Chemistry, Academy of Sciences of the Republic of Uzbekistan, Tashkent, Russia

SO Chemistry of Natural Compounds (Translation of Khimiya Prirodnykh Soedinenii) (2001), Volume Date 2000, 36(5), 541-542
CODEN: CHNCA8; ISSN: 0009-3130

PB Consultants Bureau

DT Journal

LA English

L6 ANSWER 10 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Cited References
-----------	------------------

AN 137:5543 CA

TI Gossypol and **Gossypolone** Enantiomers in Tissues of Rainbow Trout Fed Low and High Levels of Dietary Cottonseed Meal

AU Lee, Kyeong-Jun; Dabrowski, Konrad

CS School of Natural Resources, The Ohio State University, Columbus, OH, 43210, USA

SO Journal of Agricultural and Food Chemistry (2002), 50(10), 3056-3061
CODEN: JAFCAU; ISSN: 0021-8561

PB American Chemical Society

DT Journal

LA English

RE.CNT 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 11 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Citing References
-----------	-------------------

AN 136:193770 CA
 TI Antimitotic activity of gossypol and **gossypolone**
 AU Badria, Farid A.; Houssein, Wael E.; Zaghloul, Mona G.; Halim, Ahmed F.
 CS Department of Pharmacognosy, Faculty of Pharmacy, University of Mansoura, Mansoura, 35516, Egypt
 SO Pharmaceutical Biology (Lisse, Netherlands) (2001), 39(2), 120-126
 CODEN: PHBIFC; ISSN: 1388-0209
 PB Swets & Zeitlinger B.V.
 DT Journal
 LA English
 RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 12 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Citing References
-----------	-------------------

AN 136:130650 CA
 TI Reversible inhibition of calcineurin by the polyphenolic aldehyde gossypol
 AU Baumgrass, Ria; Weiwad, Matthias; Erdmann, Frank; Liu, Jun O.; Wunderlich, Dirk; Grabley, Susanne; Fischer, Gunter
 CS Max Planck Research Unit for Enzymology of Protein Folding, Halle/Saale, D-06120, Germany
 SO Journal of Biological Chemistry (2001), 276(51), 47914-47921
 CODEN: JBCHA3; ISSN: 0021-9258
 PB American Society for Biochemistry and Molecular Biology
 DT Journal
 LA English
 RE.CNT 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE-IN THE RE FORMAT

L6 ANSWER 13 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Citing References
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AN 134:131685 CA
 TI New azo derivatives of gossypol
 AU Baram, N. I.; Ziyaev, Kh. L.; Ismailov, A. I.; Ziyamov, D.; Mangutova, Yu. S.
 CS A. S. Sadykov Institute of Bioorganic Chemistry, Academy of Sciences of the Republic of Uzbekistan, Tashkent, Russia
 SO Chemistry of Natural Compounds (Translation of Khimiya Prirodnykh Soedinenii) (2000), 36(2), 185-188
 CODEN: CHNCA8; ISSN: 0009-3130
 PB Consultants Bureau
 DT Journal
 LA English
 OS CASREACT 134:131685
 RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE-IN THE RE FORMAT

L6 ANSWER 14 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Citing References
-----------	-------------------

AN 134:28605 CA
 TI Production, Characterization, and Application of Anti-Gossypol Polyclonal Antibodies
 AU Wang, Xi; Plhak, Leslie C.
 CS Department of Food Science Louisiana Agricultural Experiment Station, Louisiana State University Agricultural Center, Baton Rouge, LA, 70803,

USA

SO Journal of Agricultural and Food Chemistry (2000), 48(11), 5109-5116
CODEN: JAFCAU; ISSN: 0021-8561

PB American Chemical Society

DT Journal

LA English

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 15 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Citing References
--------------	----------------------

AN 134:5053 CA

TI Synthesis and cytotoxicity of gossypol related compounds

AU Dao, Vi-Thuy; Gaspard, Christiane; Mayer, Michel; Werner, Georges H.;
Nguyen, Suong N.; Michelot, Robert J.

CS Institut de chimie des substances naturelles, CNRS, Gif sur Yvette, 91198,
Fr.

SO European Journal of Medicinal Chemistry (2000), 35(9), 805-813
CODEN: EJMCA5; ISSN: 0223-5234

PB Editions Scientifiques et Medicales Elsevier

DT Journal

LA English

OS CASREACT 134:5053

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 16 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Citing References
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AN 133:114600 CA

TI Structure-activity studies on gossypol in tumor cell lines

AU Shelley, Michael D.; Hartley, Laura; Groundwater, Paul W.; Fish, Reginald
G.

CS Research Laboratories, Velindre NHS Trust, Cardiff, CF14 2TL, UK

SO Anti-Cancer Drugs (2000), 11(3), 209-216
CODEN: ANTDEV; ISSN: 0959-4973

PB Lippincott Williams & Wilkins

DT Journal

LA English

RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 17 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Citing References
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AN 130:346843 CA

TI Stereo-specific cytotoxic effects of gossypol enantiomers and
gossypolone in tumor cell lines

AU Shelley, M. D.; Hartley, L.; Fish, R. G.; Groundwater, P.; Morgan, J. J.
G.; Mort, D.; Mason, M.; Evans, A.

CS Research Laboratories, Velindre NHS Trust Hospital, Whitchurch, Cardiff,
CF4 7XL, UK

SO Cancer Letters (Shannon, Ireland) (1999), 135(2), 171-180
CODEN: CALEDQ; ISSN: 0304-3835

PB Elsevier Science Ireland Ltd.

DT Journal

LA English

RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 18 OF 47 CA COPYRIGHT 2006 ACS on STN

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AN 130:162735 CA
 TI Inhibition of oncogene activity as a strategy for identifying cancer chemopreventive agents: novel inhibitors of protein-tyrosine kinase
 AU Abou-Karam, Mohamed
 CS Department of Medicinal Chemistry, College of Pharmacy, University of Minnesota, Minneapolis, MN, 55455, USA
 SO Alexandria Journal of Pharmaceutical Sciences (1998), 12(2), 107-109
 CODEN: AJPSES; ISSN: 1110-1792
 PB University of Alexandria, Faculty of Pharmacy
 DT Journal
 LA English
 RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
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L6 ANSWER 19 OF 47 CA COPYRIGHT 2006 ACS on STN

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AN 128:57169 CA
 TI Cytotoxicity of gossypol enantiomers and its quinone metabolite **gossypolone** in melanoma cell lines
 AU Blackstaffe, L.; Shelley, M. D.; Fish, R. G.
 CS Cancer Biology and Pharmacology Group, Research Laboratories, Velindre NHS Trust Hospital, Cardiff, CF4 7XL, UK
 SO Melanoma Research (1997), 7(5), 364-372
 CODEN: MREEEH; ISSN: 0960-8931
 PB Rapid Science Publishers
 DT Journal
 LA English
 RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
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L6 ANSWER 20 OF 47 CA COPYRIGHT 2006 ACS on STN

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AN 127:234060 CA
 TI Deuterium isotope effects on ^{13}C chemical shifts of o-hydroxyacyl aromatics. Intramolecular hydrogen bonding
 AU Hansen, Poul Erik; Bolvig, Simon
 CS Department of Life Sciences and Chemistry, Roskilde University, Roskilde, DK-4000, Den.
 SO Magnetic Resonance in Chemistry (1997), 35(8), 520-528
 CODEN: MRCHEG; ISSN: 0749-1581
 PB Wiley
 DT Journal
 LA English

L6 ANSWER 21 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Citing References
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AN 127:76176 CA
 TI Effect of gossypol, apogossypol and **gossypolone** on fatty acids pattern of lipid fractions in rat serum and seminal fluid
 AU El-Sharaky, A. S.; El-Sewedy, S. M.; El-Sayed, M. M.; El-Shahawy, I. N.
 CS Chem. Dep., Fac. Sci., Qatar Univ., Qatar
 SO Qatar University Science Journal (1994), 14(Spec. Issue), 68-74
 CODEN: QUSJEV; ISSN: 1023-8948

PB University of Qatar, Faculty of Science
 DT Journal
 LA English

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
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L6 ANSWER 22 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Citing References
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AN 127:76175 CA
 TI The effect of gossypol, **gossypolone** and apogossypol on the lipids of male rat serum and seminal fluid
 AU El-Sharaky, A. S.; El-Sewedy, S. M.; El-Sayed, M. M.; El-Shahawy, I. N.
 CS Chem. Dep., Fac. Sci., Qatar Univ., Qatar
 SO Qatar University Science Journal. (1994), 14(Spec. Issue), 32-38
 CODEN: QUSJEV; ISSN: 1023-8948
 PB University of Qatar, Faculty of Science
 DT Journal
 LA English

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
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L6 ANSWER 23 OF 47 CA COPYRIGHT 2006 ACS on STN

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AN 125:105354 CA
 TI Suppressive effect of gossypol, **gossypolone**, and serum from gossypol treated rats on steroidogenesis in cultured porcine granulosa cells
 AU Ohmura, Hiroshi
 CS Dep. Obstetr. Gynecol., Nippon Med. Sch., Tokyo, 113, Japan
 SO Nippon Ika Daigaku Zasshi (1996), 63(3), 181-191
 CODEN: NIDZAJ; ISSN: 0048-0444
 PB Nippon Ika Daigaku Igakkai
 DT Journal
 LA Japanese

L6 ANSWER 24 OF 47 CA COPYRIGHT 2006 ACS on STN

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AN 125:86913 CA
 TI Molecular and crystal structure of hemigossypolone and **gossypolone**
 AU Talipov, S. A.; Ibragimov, B. T.; Beketov, K. M.; Islambekov, Sh. Yu.; Mardanov, R. G.; Ismailov, A. I.
 CS Inst. Bioorg. Khim. im. Sadykova, Tashkent, Uzbekistan
 SO Khimiya Prirodnykh Soedinenii (1995), (6), 814-819
 CODEN: KPSUAR; ISSN: 0023-1150
 PB Fan
 DT Journal
 LA Russian

L6 ANSWER 25 OF 47 CA COPYRIGHT 2006 ACS on STN

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AN 125:25597 CA
 TI Development of gossypol derivatives with enhanced antitumor activity
 AU Liang, X. S.; Rogers, A. J.; Webber, C. L.; Ormsby, T. J.; Tiritan, M. E.; Matlin, S. A.; Benz, C. C.
 CS Cancer Research Institute, University California, San Francisco, CA, 94143-0128, USA
 SO Investigational New Drugs (1995), 13(3), 181-186

CODEN: INNDDK; ISSN: 0167-6997

PB Kluwer
DT Journal
LA English

L6 ANSWER 26 OF 47 CA COPYRIGHT 2006 ACS on STN

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AN 123:462 CA
TI Antiproliferative activity of gossypol and **gossypolone** on human breast cancer cells
AU Gilbert, Nancy E.; O'Reilly, Jill E.; Chang, C. J. George; Lin, Young C.; Brueggemeier, Robert W.
CS Coll. Pharmacy, Ohio State Univ., Columbus, OH, 43210, USA
SO Life Sciences (1995), 57(1), 61-7
CODEN: LIFSAK; ISSN: 0024-3205
PB Elsevier
DT Journal
LA English

L6 ANSWER 27 OF 47 CA COPYRIGHT 2006 ACS on STN

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AN 122:178627 CA
TI Effect of gossypol, apogossypol and **gossypolone** on fertility of male rats and in vitro sperm motility
AU El-Sharaky, A. S.; El-Sewedy, S. M.; El-Sayed, M. M.; El-Shahawy, I. N.
CS Faculty of Science, University of Qatar, Doha, Qatar
SO Qatar University Science Journal (1993), 13(2), 214-18
CODEN: QUSJEV; ISSN: 1023-8948
PB University of Qatar, Faculty of Science
DT Journal
LA English

L6 ANSWER 28 OF 47 CA COPYRIGHT 2006 ACS on STN

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AN 121:78782 CA
TI Relationships of glands, cotton square terpenoid aldehydes, and other allelochemicals to larval growth of *Heliothis virescens* (Lepidoptera: Noctuidae)
AU Hedin, P. A.; Parrott, W. L.; Jenkins, J. N.
CS Crop Sci. Res. Lab., USDA-ARS, Mississippi State, MS, 39762-5367, USA
SO Journal of Economic Entomology (1992), 85(2), 359-64
CODEN: JEENAI; ISSN: 0022-0493
DT Journal
LA English

L6 ANSWER 29 OF 47 CA COPYRIGHT 2006 ACS on STN

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AN 120:158807 CA
TI Terpenoid aldehydes in root-knot nematode susceptible and resistant cottonseeds as determined by HPLC and aniline methods
AU Khoshkhoo, Nazrin; Hedin, Paul A.; McCarty, Jack C., Jr.
CS Department of Chemistry, Mississippi State University, Mississippi State, MS, 39762, USA
SO Journal of Agricultural and Food Chemistry (1994), 42(3), 804-6
CODEN: JAFCAU; ISSN: 0021-8561
DT Journal

LA English

L6 ANSWER 30 OF 47 CA COPYRIGHT 2006 ACS on STN

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AN 117:83605 CA
 TI Characteristics of covalent gossypol binding to microsomal proteins
 AU Moh, P. P.; Li, P. K.; Darby, M. V.; Brueggemeier, R. W.; Lin, Y. C.
 CS Coll. Vet. Med., Ohio State Univ., Columbus, OH, 43210-1092, USA
 SO Research Communications in Chemical Pathology and Pharmacology (1992),
 76(3), 305-22
 CODEN: RCOCB8; ISSN: 0034-5164
 DT Journal
 LA English

L6 ANSWER 31 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Citing References
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AN 115:127422 CA
 TI **Gossypolone** suppresses progesterone synthesis in bovine luteal cells
 AU Gu, Y.; Li, P. K.; Lin, Y. C.; Rikihisa, Y.; Brueggemeier, R. W.
 CS Coll. Vet. Med., Ohio State Univ., Columbus, OH, 43210-1092, USA
 SO Journal of Steroid Biochemistry and Molecular Biology (1991), 38(6),
 709-15
 CODEN: JSBBEZ; ISSN: 0960-0760
 DT Journal
 LA English

L6 ANSWER 32 OF 47 CA COPYRIGHT 2006 ACS on STN

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AN 115:111010 CA
 TI Effects of cotton plant allelochemicals and nutrients on behavior and
 development of tobacco budworm
 AU Hedin, Paul A.; Parrott, William L.; Jenkins, Johnie N.
 CS Crop Sci. Res. Lab., ARS, Mississippi State, MS, 39762-5367, USA
 SO Journal of Chemical Ecology (1991), 17(6), 1107-21
 CODEN: JCECD8; ISSN: 0098-0331
 DT Journal
 LA English

L6 ANSWER 33 OF 47 CA COPYRIGHT 2006 ACS on STN

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AN 115:1029 CA
 TI Suppression of adrenocorticotrophic hormone (ACTH)-induced corticosterone
 secretion in cultured rat adrenocortical cells by gossypol and **gossypolone**
 AU Gu, Yan; Lin, Young C.
 CS Coll. Vet. Med., Ohio State Univ., Columbus, OH, 43210-1092, USA
 SO Research Communications in Chemical Pathology and Pharmacology (1991),
 72(1), 27-38
 CODEN: RCOCB8; ISSN: 0034-5164
 DT Journal
 LA English

L6 ANSWER 34 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Citing References
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AN 112:115124 CA
 TI Spectral techniques for structural analysis of the cotton terpenoid

aldehydes gossypol and **gossypolone**

AU Phillips, Valeria A.; Hedin, Paul A.
 CS Crop Sci. Res. Lab., ARS, Mississippi State, MS, 39762-5367, USA
 SO Journal of Agricultural and Food Chemistry (1990), 38(2), 525-8
 CODEN: JAFCAU; ISSN: 0021-8561
 DT Journal
 LA English
 OS CASREACT 112:115124

L6 ANSWER 35 OF 47 CA COPYRIGHT 2006 ACS on STN

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AN 111:7627 CA
 TI Photochemical conversion of 7-methoxyhemigossypolone to the lactone of
 2,5,8-trihydroxy-4-isopropyl-3-methoxy-6-methylnaphth-1-oic acid
 AU Mahoney, Noreen E.; Chan, Bock G.
 CS West. Reg. Res. Cent., U. S. Dep. Agric., Albany, CA, 94710, USA
 SO Journal of Natural Products (1988), 51(2), 374-5
 CODEN: JNPRDF; ISSN: 0163-3864
 DT Journal
 LA English
 OS CASREACT 111:7627

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AN 102:17834 CA
 TI Comparative in vitro spermicidal effects of (±)-gossypol, (+)-gossypol,
 (-)-gossypol and **gossypolone**
 AU Kim, I. C.; Waller, D. P.; Marcelle, G. B.; Cordell, G. A.; Fong, H. H.
 S.; Pirkle, W. H.; Pilla, L.; Matlin, S. A.
 CS Coll. Pharm., Univ. Illinois, Chicago, IL, 60612, USA
 SO Contraception (1984), 30(3), 253-9
 CODEN: CCPTAY; ISSN: 0010-7824
 DT Journal
 LA English

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AN 101:90319 CA
 TI HPLC, mass spectrometry, and LC/MS of gossypol and its derivatives
 AU Martin, S. A.; Zhou, R. H.; Games, D. E.; Jones, A.; Ramsey, E. D.
 CS Chem. Dep., City Univ., London, EC1V 0HB, UK
 SO HRC & CC, Journal of High Resolution Chromatography and Chromatography
 Communications (1984), 7(4), 196-202
 CODEN: HCJCDB; ISSN: 0344-7138
 DT Journal
 LA English

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AN 92:140463 CA
 TI Determination of the cytotoxic effect and antitumor activity of gossypol
 and some of its derivatives
 AU Kuznetsova, N. N.; Nuridzhanyants, S. S.; Leont'ev, V. B.; Baram, N. I.;
 Paizieva, R. Z.; Ismailov, A. I.
 CS USSR
 SO Deposited Doc. (1979), VINITI 409-79, 7 pp. Avail.: VINITI

DT Report
LA Russian

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AN 88:115758 CA
TI Study of **gossypolone** and some of its derivatives
AU Paizieva, R. Z.; Baram, N. I.; Sagdieva, M. G.; Ismailov, A. I.
CS Otd. Bioorg. Khim., Tashkent, USSR
SO Khimiya Prirodnikh Soedinenii (1977), (6), 858-9
CODEN: KPSUAR; ISSN: 0023-1150
DT Journal
LA Russian

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AN 83:1884 CA
TI Metabolic fate of gossypol. Metabolism of carbon-14-labeled gossypol in swine
AU Abou-Donia, Mohamed B.; Dieckert, Julius W.
CS Dep. Biochem. Biophys., Texas A and M Univ., College Station, TX, USA
SO Toxicology and Applied Pharmacology (1975), 31(1), 32-46
CODEN: TXAPA9; ISSN: 0041-008X
DT Journal
LA English

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Full Text	Citing References
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AN 64:19022 CA
OREF 64:3437d-e
TI Oxidation of gossypol. II. Formation of **gossypolone** with ferric chloride
AU Haas, Roswitha H.; Shirley, David A.
CS Univ. of Tennessee, Knoxville
SO Journal of Organic Chemistry (1965), 30(12), 4111-13
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English

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Full Text	Citing References
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AN 33:54208 CA
OREF 33:7807h-i, 7808a-c
TI Structure of gossypol. XXII. Gossypol ethers and their reduction products
AU Adams, Roger; Dial, W. R.
SO Journal of the American Chemical Society (1939), 61, 2077-82
CODEN: JACSAT; ISSN: 0002-7863
DT Journal
LA Unavailable

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Full Text	Citing References
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AN 33:8729 CA
OREF 33:1323g-i
TI Structure of gossypol. XVII. Nitration products of gossypol hexamethyl ether, **gossypolone** tetramethyl ether and gossypolonic acid tetramethyl

ether

AU Adams, Roger; Geissman, T. A.; Morris, R. C.
 SO Journal of the American Chemical Society (1938), 60, 2970-2
 CODEN: JACSAT; ISSN: 0002-7863
 DT Journal
 LA Unavailable

L6 ANSWER 44 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Citing References
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AN 33:8728 CA
 OREF 33:1323b-g
 TI Structure of gossypol. XVI. Reduction products of **gossypolone**
 tetramethyl ether and gossypolonic acid tetramethyl ether
 AU Adams, Roger; Geissman, T. A.; Morris, R. C.
 SO Journal of the American Chemical Society (1938), 60, 2967-70
 CODEN: JACSAT; ISSN: 0002-7863
 DT Journal
 LA Unavailable

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Full Text	Citing References
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AN 32:59950 CA
 OREF 32:8405a-e
 TI Structure of gossypol. IX. Oxidation and degradation of gossypol
 hexamethyl ether; gossic acid
 AU Adams, Roger; Morris, R. C.; Kirkpatrick, E. C.
 SO Journal of the American Chemical Society (1938), 60, 2170-4
 CODEN: JACSAT; ISSN: 0002-7863
 DT Journal
 LA Unavailable

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Full Text	Citing References
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AN 23:24927 CA
 OREF 23:2944h-i
 TI Gossypol. V. Action of chromic acid upon some gossypol derivatives
 AU Clark, E. P.
 CS U. S. Dept. Agr.
 SO Journal of the American Chemical Society (1929), 51, 1475-8
 CODEN: JACSAT; ISSN: 0002-7863
 DT Journal
 LA Unavailable

L6 ANSWER 47 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Citing References
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AN 23:24926 CA
 OREF 23:2944f-h
 TI Artificial humification of carbohydrates, particularly the conversion of
 cellulose into humic acids
 AU Fuchs, W.
 SO Brennstoff-Chemie (1928), 9, 400-2
 CODEN: BRCHAR; ISSN: 0006-9620
 DT Journal
 LA Unavailable

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L6 ANSWER 33 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Citing References
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AN 115:1029 CA

TI Suppression of adrenocorticotrophic hormone (ACTH)-induced corticosterone secretion in cultured rat adrenocortical cells by gossypol and **gossypolone**

SO Research Communications in Chemical Pathology and Pharmacology (1991), 72(1), 27-38
CODEN: RCOCB8; ISSN: 0034-5164

TI Suppression of adrenocorticotrophic hormone (ACTH)-induced corticosterone secretion in cultured rat adrenocortical cells by gossypol and **gossypolone**

AB The effects of gossypol and **gossypolone** on steroidogenesis were examd. in adrenocortical cells of young rats. ACTH-induced corticosterone secretion and intracellular cAMP formation were inhibited by gossypol at concns. of 8.6 and 4.3 μ M, resp., and by **gossypolone** at concns. of 8.6 and 4.3 μ M, resp. Thus both compds. inhibit ACTH-induced corticosterone synthesis and secretion in rat adrenocortical. . .

ST ACTH corticosterone gossypol **gossypolone**

IT Adrenal cortex, metabolism
(corticosterone secretion by culture of, gossypol and **gossypolone** suppression of ACTH-induced)

IT Corticosteroids, biological studies
RL: FORM (Formation, nonpreparative)
(formation of, gossypol and **gossypolone** effect on)

IT 303-45-7, Gossypol 4547-72-2, **Gossypolone**
RL: BIOL (Biological study)
(ACTH induction of corticosterones secretion by adrenocortical culture suppression by)

IT 9002-60-2, ACTH, biological studies
RL: BIOL (Biological study)
(corticosterone secretion by adrenocortical culture stimulation by, gossypol and **gossypolone** suppression of)

IT 60-92-4
RL: BIOL (Biological study)
(gossypol and **gossypolone** effect on ACTH-induced corticosterone secretion mediation by)

IT 50-22-6, Corticosterone
RL: BIOL (Biological study)
(secretion of, ACTH induction of, in adrenocortical culture, gossypol and **gossypolone** suppression of)

L6 ANSWER 38 OF 47 CA COPYRIGHT 2006 ACS on STN

Full Text	Citing References
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AN 92:140463 CA

TI Determination of the cytotoxic effect and antitumor activity of gossypol and some of its derivatives

SO Deposited Doc. (1979), VINITI 409-79, 7 pp. Avail.: VINITI

AB Gossypol (I) [303-45-7], **gossypolone** [4547-72-2], and megosin [72432-85-0] showed inhibitory activity against human pancreatic carcinoma in vitro. Concns. of the compds. which caused 50%. . . content were 20.0-31.0 μ g/mL. A 50% decrease in protein content was obsd. at 42.0, 43.0, and 62.0 μ g/mL for I, **gossypolone**, and megosin, resp.

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(FILE 'HOME' ENTERED AT 00:43:08 ON 04 APR 2006)

FILE 'MEDLINE' ENTERED AT 00:43:20 ON 04 APR 2006

L1 19 SEA GOSSYPOLONE
D 1-19

FILE 'REGISTRY' ENTERED AT 00:46:56 ON 04 APR 2006

L2 E GOSSYPOLONE/CN
1 SEA GOSSYPOLONE/CN
D

FILE 'USPATFULL, USPAT2' ENTERED AT 00:47:28 ON 04 APR 2006

L3 4 SEA L1
D 1-4
L4 4 SEA GOSSYPOLONE

FILE 'REGISTRY' ENTERED AT 00:52:28 ON 04 APR 2006

D L2

FILE 'CA' ENTERED AT 00:54:10 ON 04 APR 2006

L5 0 SEA GOSSYPOLONE/AB.BI

FILE 'CA' ENTERED AT 00:54:57 ON 04 APR 2006

L6 47 SEA GOSSYPOLONE/AB, BI
D 1-47
D AN TI SO KWIC 33 38

FILE HOME

FILE MEDLINE

FILE LAST UPDATED: 1 APR 2006 (20060401/UP). FILE COVERS 1950 TO DATE.

On December 11, 2005, the 2006 MeSH terms were loaded.

The MEDLINE reload for 2006 is now (26 Feb.) available. For details on the 2006 reload, enter HELP RLOAD at an arrow prompt (=>).

See also:

<http://www.nlm.nih.gov/mesh/>

http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html

http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_med_data_changes.html

http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_2006_MeSH.html

OLDMEDLINE is covered back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2006 vocabulary.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 2 APR 2006 HIGHEST RN 878996-50-0

DICTIONARY FILE UPDATES: 2 APR 2006 HIGHEST RN 878996-50-0

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* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005. A new display format, IDERL, is now      *
* available and contains the CA role and document type information.  *
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Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 30 Mar 2006 (20060330/PD)
 FILE LAST UPDATED: 30 Mar 2006 (20060330/ED)
 HIGHEST GRANTED PATENT NUMBER: US7020895
 HIGHEST APPLICATION PUBLICATION NUMBER: US2006070159
 CA INDEXING IS CURRENT THROUGH 28 Mar 2006 (20060328/UPCA)
 ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 30 Mar 2006 (20060330/PD)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2006
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2006

FILE USPAT2

FILE COVERS 2001 TO PUBLICATION DATE: 30 Mar 2006 (20060330/PD)
 FILE LAST UPDATED: 30 Mar 2006 (20060330/ED)
 HIGHEST GRANTED PATENT NUMBER: US2005250683
 HIGHEST APPLICATION PUBLICATION NUMBER: US2006069784
 CA INDEXING IS CURRENT THROUGH 30 Mar 2006 (20060330/UPCA)
 ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 30 Mar 2006 (20060330/PD)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2006
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FILE LAST UPDATED: 30 Mar 2006 (20060330/ED)

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